

n (shell)	l (subshell)		m_l	# orbitals	orbital designation	Maximum # electrons allowed
	l	letter designation				
1	0	s	0	1	1s	2
2	0	s	0	1	2s	2
	1	p	-1, 0, 1	3	2p	6
3	0	s	0	1	3s	2
	1	p	-1, 0, 1	3	3p	6
	2	d	-2, -1, 0, 1, 2	5	3d	10
4	0	s	0	1	4s	2
	1	p	-1, 0, 1	3	4p	6
	2	d	-2, -1, 0, 1, 2	5	4d	10
	3	f	-3, -2, -1, 0, 1, 2, 3	7	4f	14

Note:

subshell = n

orbitals in a subshell = $2l+1$